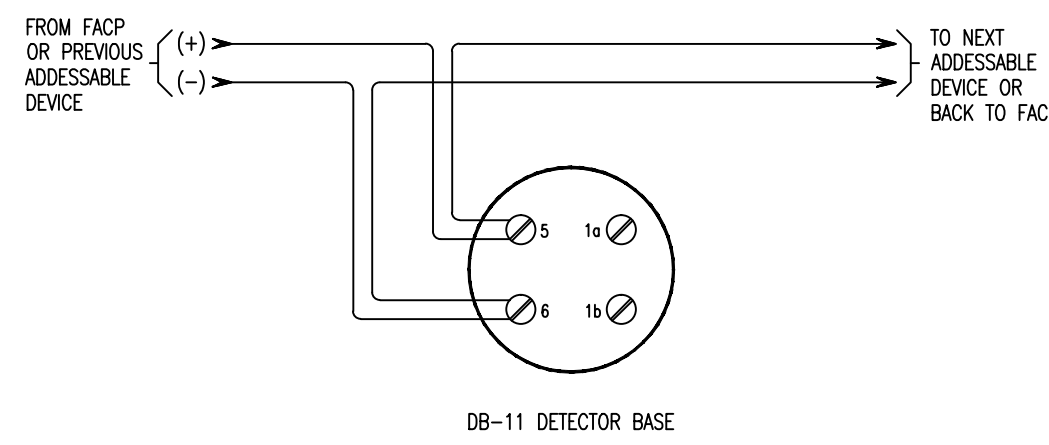
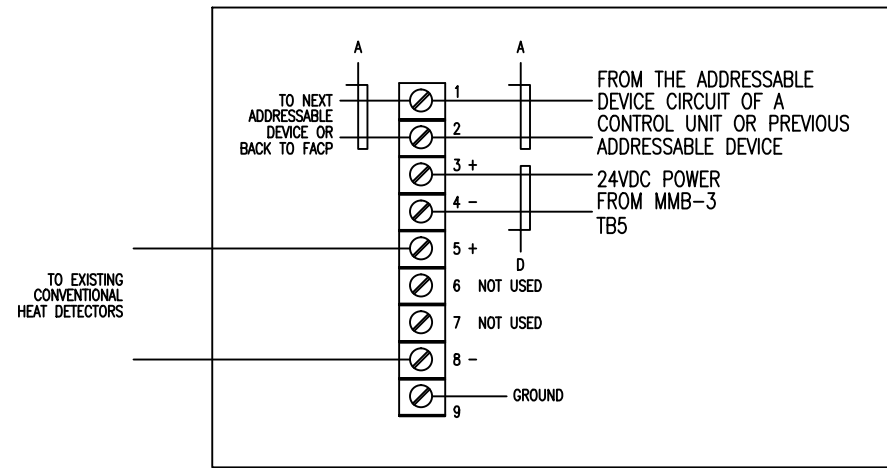


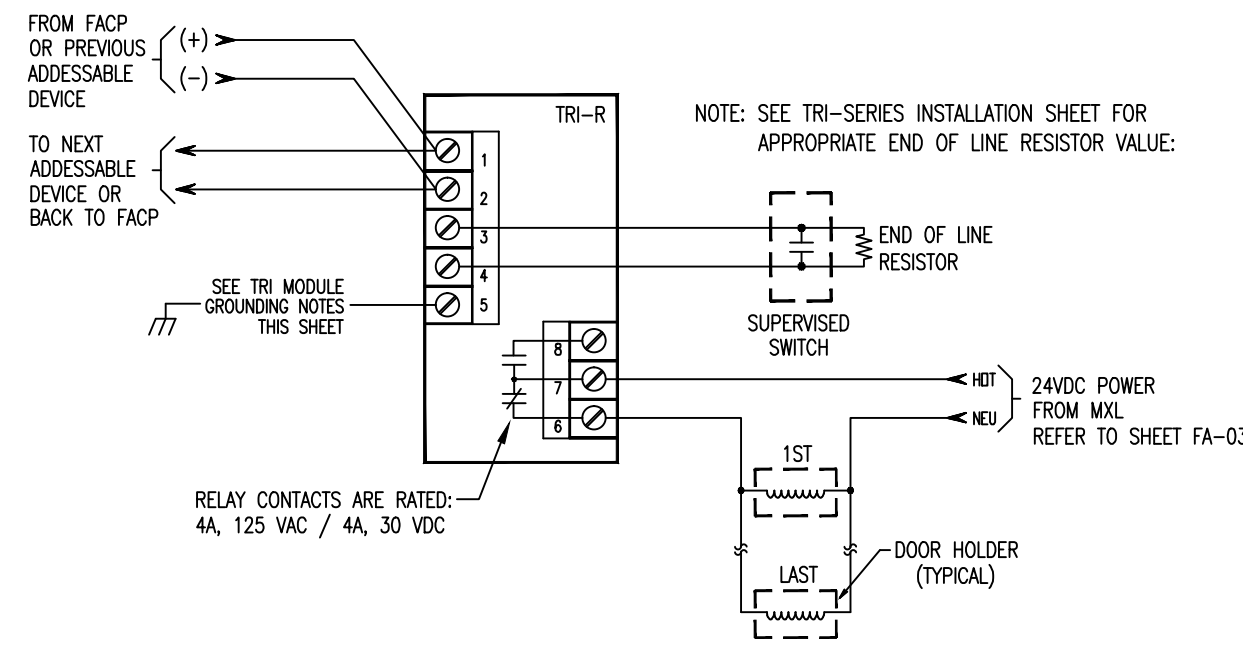
TYPICAL WIRING OF FIELD DEVICES



FPT-11 INTELLIGENT PHOTOELECTRIC FIRE DETECTOR/
FP-11 INTELLIGENT PHOTOELECTRIC FIRE DETECTOR
with DB-11 DETECTOR BASE

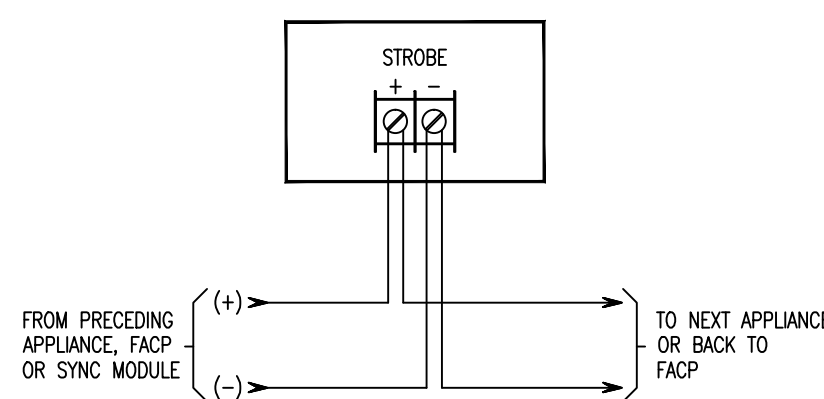


REMOTE CONVENTIONAL ZONE MODULE

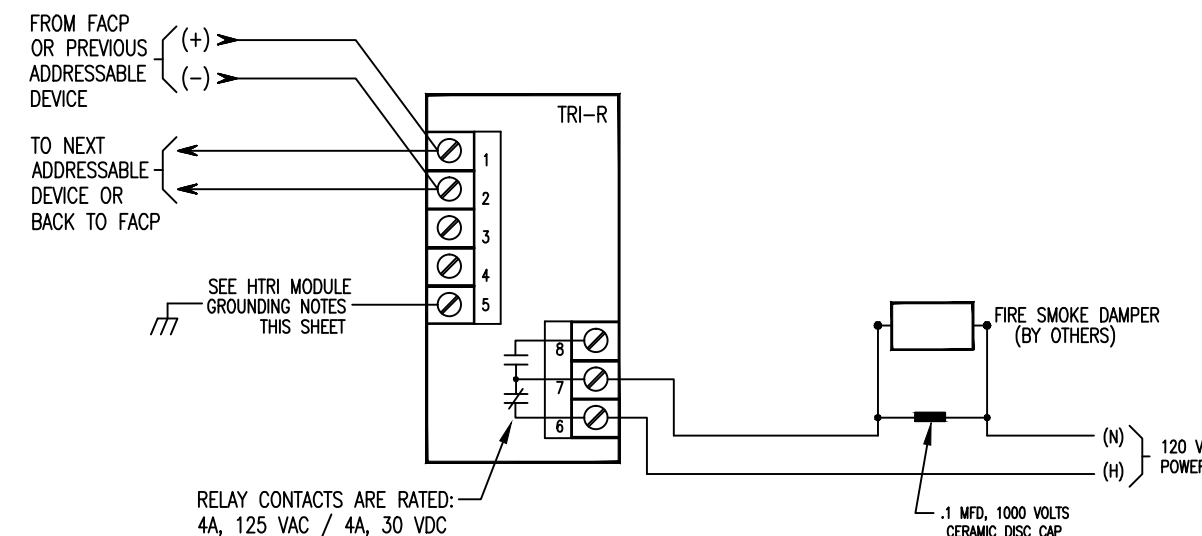


TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for DOOR HOLDER CONTROL (24 VDC)

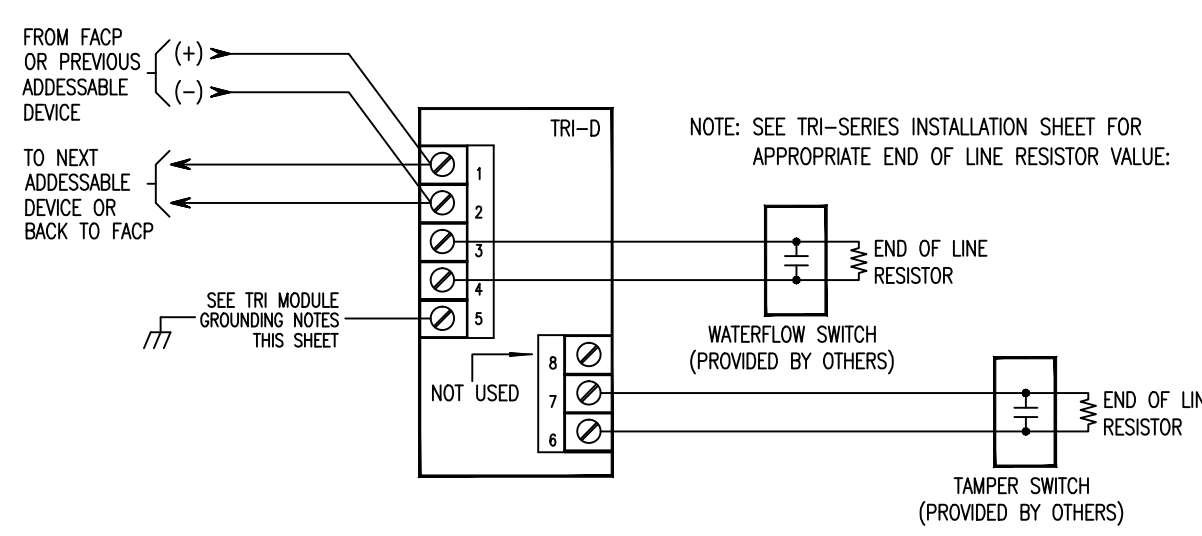
WARNING: THE STROBE APPLIANCES MUST BE FIELD SET TO THE DESIRED CANDELA RATING BEFORE THEY ARE INSTALLED, REFER TO FIRE ALARM FLOOR PLAN FOR APPROPRIATE CANDELA SETTING.



ZR-MC-R STROBE (WALL MOUNTED)
(Multi-Canдела Appliance 15 / 30 / 75 / 110cd)

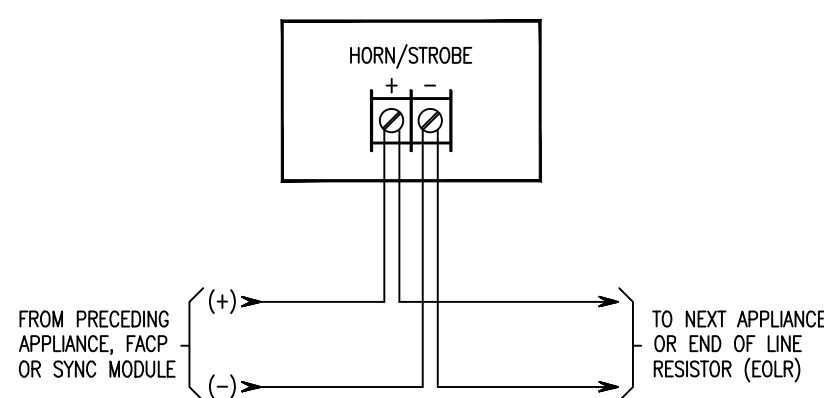


TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for FSD CONTROL

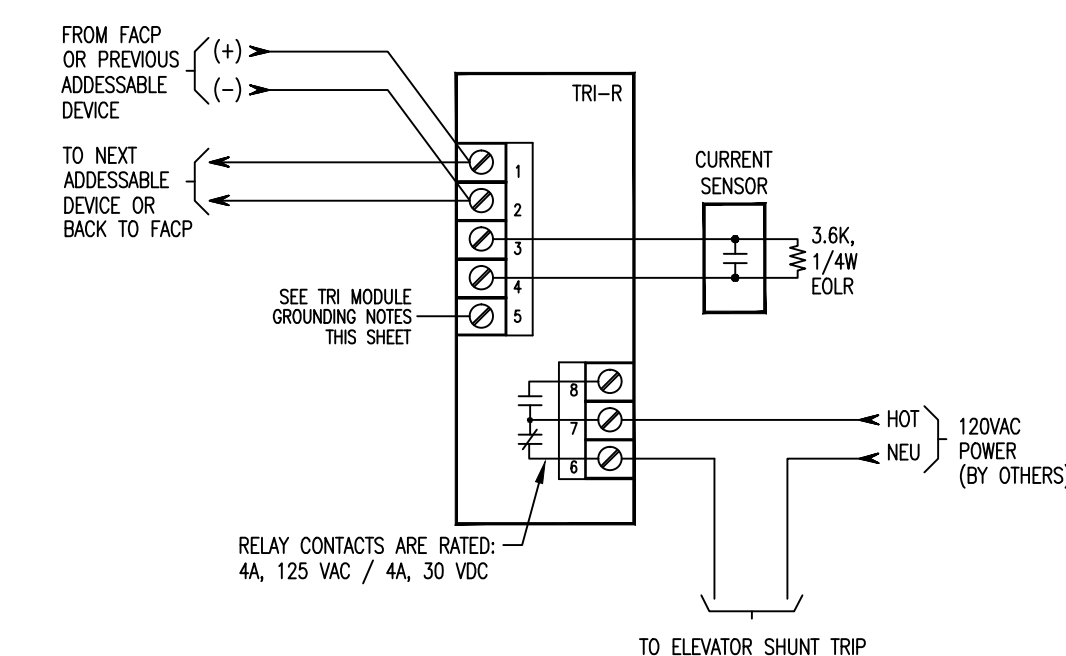


TRI-D INTERFACE MODULE, DUAL INPUT
for WATERFLOW and TAMPER SWITCH SUPERVISION
NOTE: WATERFLOW & TAMPER SWITCHES ARE FURNISHED AND
INSTALLED BY SPRINKLER CONTRACTOR. COORDINATE WITH
THE CONTRACTOR FOR FURTHER DEVICE DETAILS.

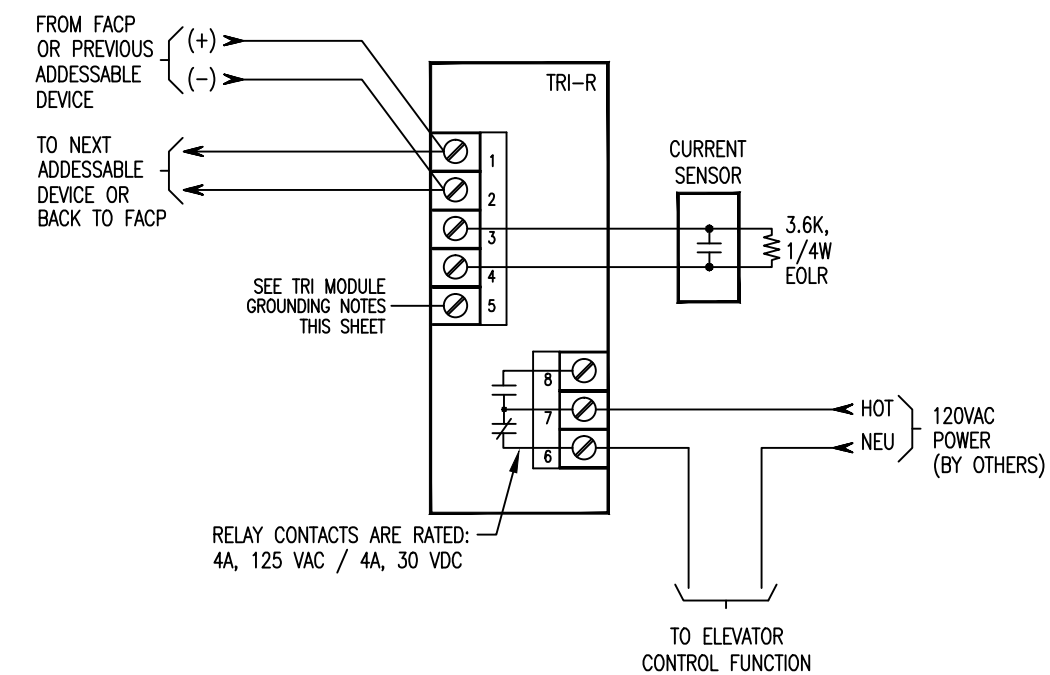
WARNING: THE STROBE APPLIANCES MUST BE FIELD SET TO THE DESIRED CANDELA RATING BEFORE THEY ARE INSTALLED, REFER TO FIRE ALARM FLOOR PLAN FOR APPROPRIATE CANDELA SETTING.



ZH-MC-R HORN/STROBE (WALL MOUNTED)
(Multi-Canдела Appliance 15 / 30 / 75 / 110cd)

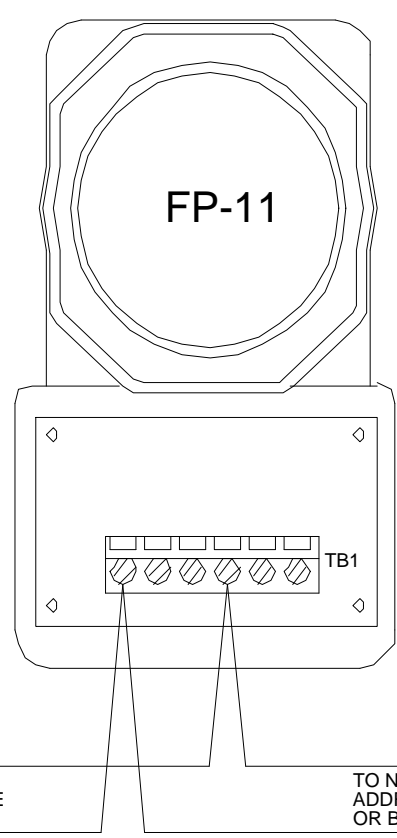


TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for SHUNT TRIP SIGNAL CONNECTION

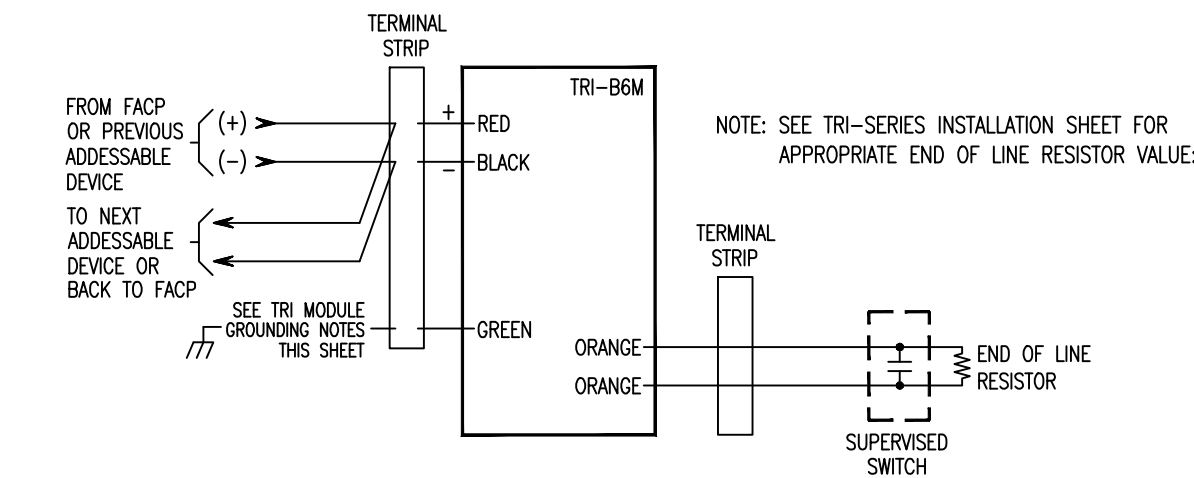


TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for ELEVATOR CONTROL FUNCTIONS

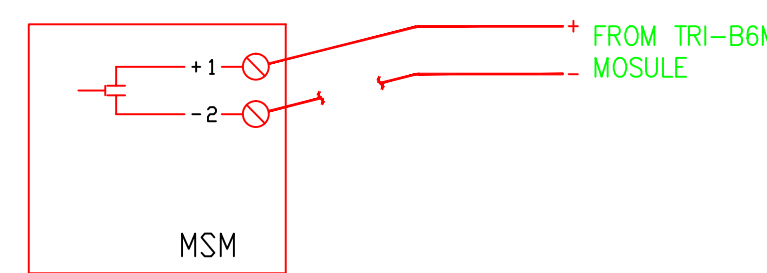
MODELAD2-P



TYPICAL CONNECTIONS FOR AD2-P USING FP-11 DETECTORS

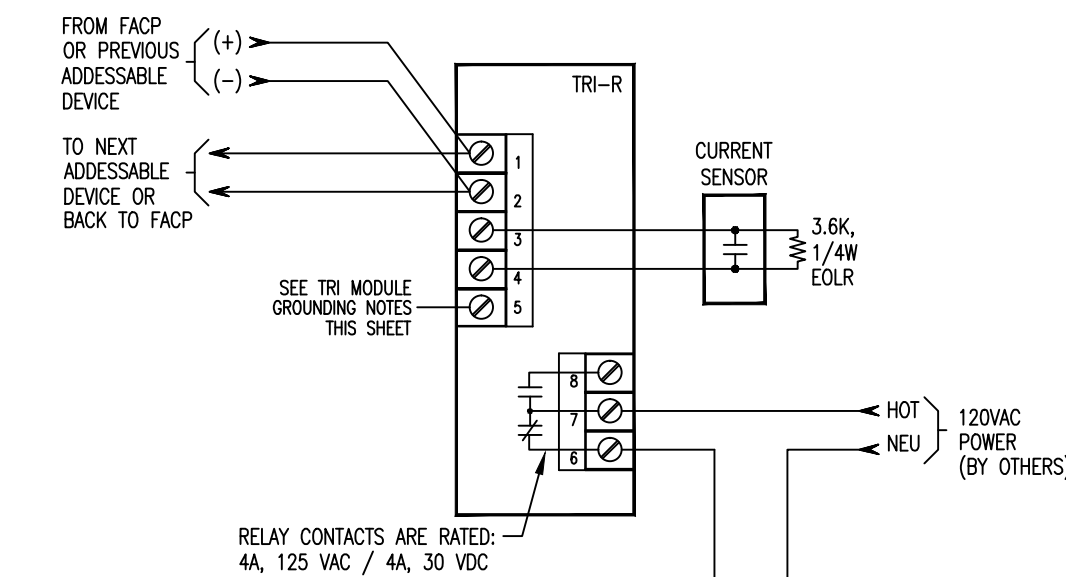


TRI-B6M MINI-INTERFACE MODULE, SINGLE INPUT
for ALARM and TROUBLE SUPERVISION

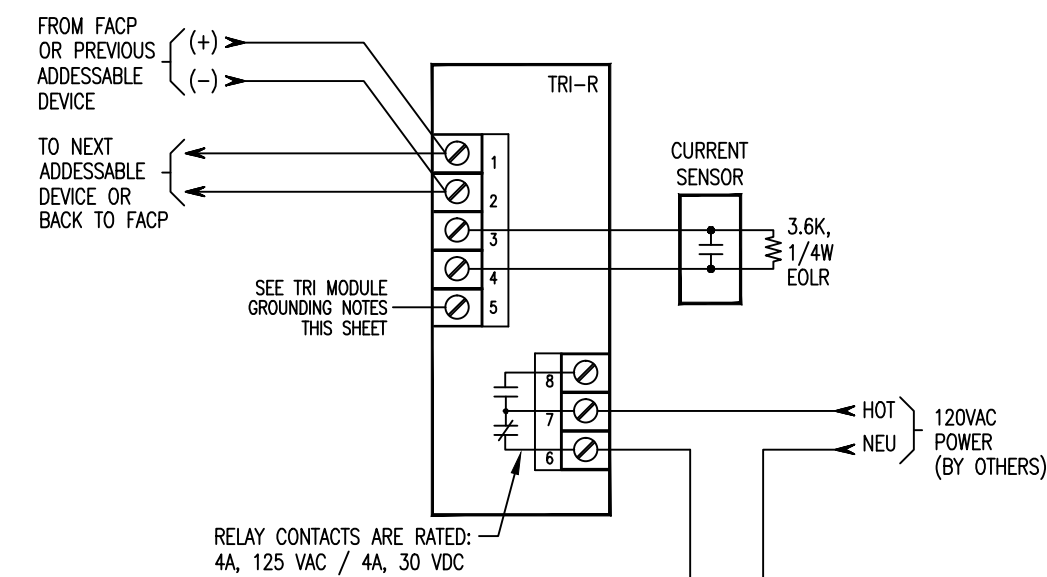


WHEN USING SHIELDED CABLE (WITH OR WITHOUT CONDUIT)
CONNECT THE CABLE TO THE CABLE SHIELD THROUGH THE BOX WITH NO CONNECTION TO THE
DEVICE TERMINAL BLOCK OR GROUND. DO NOT GROUND THE SHIELD ANYWHERE ELSE BUT AT
THE SPECIFIED LOCATION ON THE FACU.

WHEN USING CONDUIT WITHOUT SHIELDED CABLE
GROUND THE CONDUIT ADEQUATELY AND CONTINUALLY, THEN CONNECT TERMINAL 3 (EARTH
GROUND) OF THE MSI TO THE BOX IN WHICH IT IS MOUNTED.



TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for HVAC SYSTEM SIGNAL



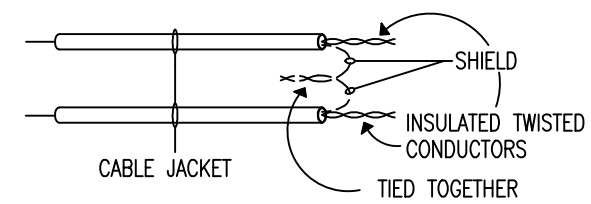
TRI-R INTERFACE MODULE, SINGLE INPUT w/ RELAY
for FUME HOOD SASH CLOSURE

TRI-S/TRI-R/TRI-D/TRI-M GROUNDING NOTES

- CAUTION: GROUND SHIELD ONLY AT THE SPECIFIED LOCATION ON THE CONTROL PANEL.
REFER TO INSTALLATION INSTRUCTIONS P/N 315-08642-2 FOR FURTHER DETAILS.

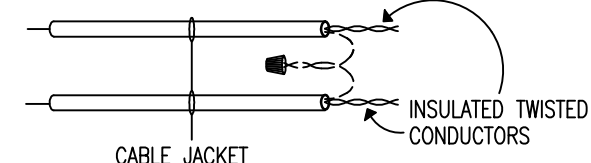
TYPICAL TRI MODULE GROUNDING DETAIL

WHERE FIELD BACK BOX HAS GOOD CONNECTION TO EARTH GROUND:

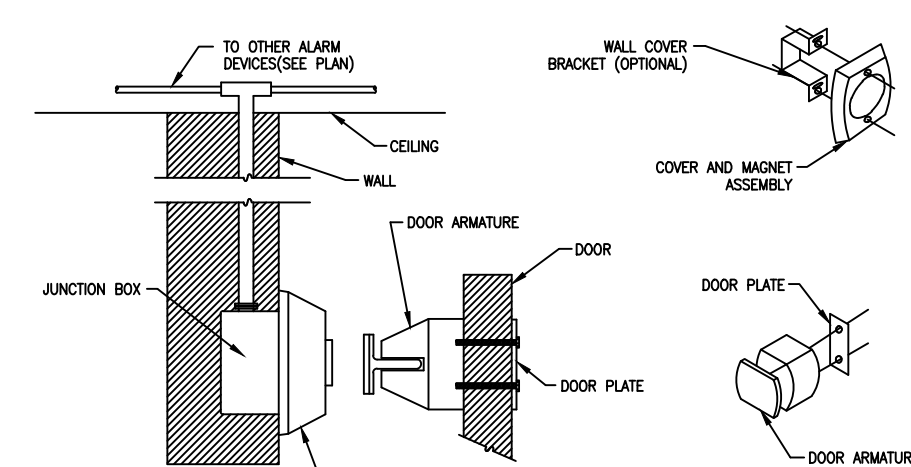


NOTE: CONDUIT SYSTEM MUST HAVE A GOOD REFERENCE TO EARTH GROUND

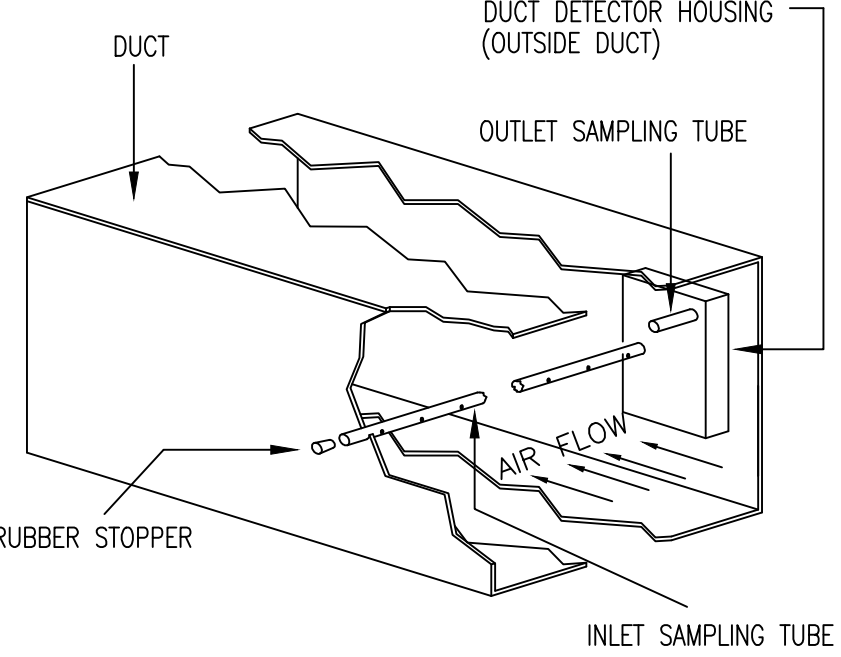
WHERE FIELD BACK BOX HAS NO CONNECTION TO EARTH GROUND:



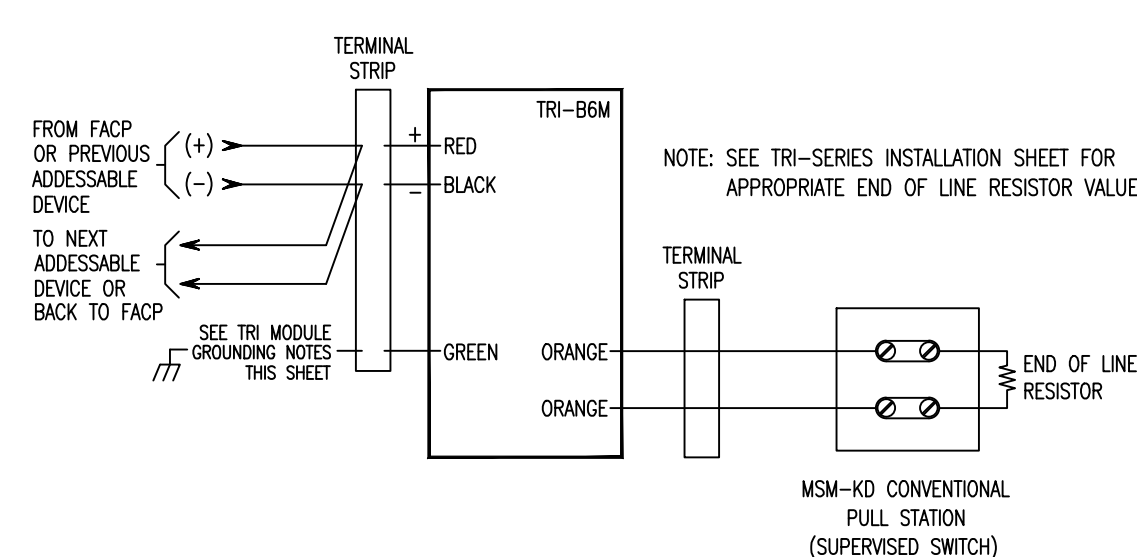
* ALL UNSHIELDED WIRE MUST BE ENTIRELY IN GROUND CONDUIT



TYPICAL INSTALLATION DETAIL
OF MAGNETIC DOOR HOLDER



TYPICAL DUCT DETECTOR INSTALLATION DETAIL



TRI-B6M MINI-INTERFACE MODULE, SINGLE INPUT
for MONITORING MSM-KD CONVENTIONAL PULL STATION

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REVISIONS

No.	Revision	By	Date	Appr.
1	RESPONSE TO HYT BULLETIN 5 REVIEW COMMENTS	JPM	10/10/10	KW
2	REVISED PER LBNL FIRE MARSHALS' COMMENTS	JPM	10/25/10	KW
3	AS-BUILT	JPM	9/20/12	KW

AS-BUILT

2-D APPROVAL SIGNATURE

NUMBER OF CONTRACT DOCUMENTS



HYT Corporation
Fire Protection Engineers and Consultants
3498 Clayton Road - Suite 101 Concord, California 94519
Phone: (925) 681-2731 FAX: (925) 681-2733

INSTALLATION CONTRACTORS NAME & ADDRESS:

W. BRADLEY
ELECTRIC, INC.

90 Hill Road,
Novato, CA 94945

Tel (415) 898-1400 Fax (415) 898-5991

PRODUCT MANUFACTURER:

Siemens Industry, Inc.
Fire Safety Division

25821 Industrial Boulevard, Suite 300
Hayward, California 94545-2991
Tel (510) 783-6000 Fax (510) 293-2100
California State C10 License No. 758796
U.L. Certificate ID No. 324787-001

JOB NAME & LOCATION (STREET ADDRESS)

UNIVERSITY OF CALIFORNIA
LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION

BUILDING 74
FIRE ALARM

LBNL SEISMIC
PHASE 2

One Cyclotron Road,
Berkeley, California 94720

SHEET NUMBER

TYPICAL WIRING
OF FIELD DEVICES

INSTALLATION TYPE

- ☐ NEW INSTALLATION
- ☐ DESIGN/BUILD
- ☐ PER CONTRACT DOCUMENT
- ☐ EXISTING BASE JOB # N/A
- ☐ OTHERS

SYSTEM SALES REP: Kevin Waxman

PROPERTY MANAGER: Mark Millard

DRAWN BY: JPM

CHECKED BY: FA-06

NOTED BY: Not Applicable

DATE DRAWN: March 18, 2010 PLOT DATE: March 27, 2014

DRAWING NO.
6N74E327

SHEET
FA-06
JOB NUMBER
440CP-069681